

**Japanese Publication for Unexamined Patent Application**

**No. 2000/134502 (Tokukai 2000-134502)**

**A. Relevance of the Above-identified Document**

The following is a partial English translation of exemplary portions of non-English language information that may be relevant to the issue of patentability of the claims of the present application.

**B. Translation of the Relevant Passages of the Document**

[0010]

[DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT]

The present invention according to claim 1 is an audio and video distribution apparatus including: an audio and video receiving apparatus and an audio and video transmitting apparatus, the audio and video receiving apparatus selecting a desired AV device located at a remote place, receiving audio and video transmitted by wireless, and displaying the transmitted audio and video on a receiver such as a TV connected, the audio and video transmitting apparatus selecting an AV device from among a plurality of AV devices connected in accordance with AV device selection information transmitted by wireless and transmitting audio and video of the selected

AV device to the audio and video receiving apparatus located at a remote place, and the present invention according to claim 1 has the effect of selecting an AV device located at a remote place and transmitting and receiving audio and video of the selected AV device.

[0011]

The present invention according to claim 2 is such that in the audio and video distribution apparatus according to claim 1, the audio and video receiving apparatus transmits by wireless, to the audio and video transmitting apparatus, the AV device selection information and infrared data that controls an AV device located at a remote place, the infrared data being transmitted from a remote controller at hand of a user, and the present invention according to claim 2 has the effect of providing means for performing control with the infrared data, which is wireless data passing through obstructions, for controlling the AV device located at a remote place.

[0012]

The present invention according to claim 3 is such that in the audio and video distribution apparatus according to claim 1 or 2, the audio and video transmitting apparatus selects, in accordance with the AV device selection information transmitted by wireless from

the audio and video receiving apparatus, an AV device from among the plurality of AV devices connected to the audio and video transmitting apparatus, converts the infrared data, transmitted by wireless, for controlling the selected AV device, back into infrared rays, transmits the infrared rays to the AV device for control, and transmits, by wireless, audio and video of the AV device to the audio and video receiving apparatus, and the present invention according to claim 3 has the effect that wireless is converted into infrared data so that the AV device located at a remote place can be controlled.

[0013]

The following will describe an embodiment of the present invention with reference to drawings.

(Embodiment 1)

Figure 1 is a block diagram of an audio and video distribution apparatus of Embodiment 1 of the present invention.

[0014]

In Figure 1, the audio and video receiving apparatus 11 includes an infrared light receiving section 12, an AV device selection button 13, and a wireless channel button 14, and is connected to a television receiver 15. An audio and video transmitting apparatus 16 has the function of performing transmission and reception with the audio and

video receiving apparatus 11. The audio and video transmitting apparatus 16 includes an infrared light emitting section 17 and an LED 18 indicating that the audio and video transmitting apparatus 16 is in use, and is connected to another television receiver 15 and a plurality of AV devices 19. A remote controller 20 transmits signals to the infrared light receiving section 12 in the audio and video receiving apparatus 11.

[0015]

The following will describe the operation of the audio and video distribution apparatus arranged as described above. A user selects the AV device 19 that he/she wants from among the plurality of AV devices 19 using the AV device selection button 13 provided on the side of the audio and video receiving apparatus 11. Then, the user instructs reproduction or the like using the remote controller 20 that controls the AV device 19, aiming at the infrared light receiving section 12.

[0016]

The audio and video transmitting apparatus 16 analyzes AV device selection information and wireless channel information in a message sent by wireless from the audio and video receiving apparatus 11 and selects the AV device 19 and changes a wireless channel.

[0017]

This message includes ID attached thereto, and if an ID unique to the audio and video transmitting apparatus 16 and the ID in the message does not match, selection of the AV devices and change of wireless channels are not performed.

[0018]

The audio and video transmitting apparatus 16 causes the infrared light emitting section 17 to emit infrared data transmitted by wireless from the audio and video receiving apparatus 11, and controls transmission of the infrared data to the AV device 19.

[0019]

The audio and video receiving apparatus 11 receives audio and video transmitted by wireless from the selected AV device 19 and displays them on the television receiver 15. If video other than the video that he/she wants is displayed on the television receiver 15, the user keep pushing other wireless channel button 14 until the video that he/she wants is displayed thereon.

[0020]

As described above, according to the audio and video distribution apparatus of Embodiment 1 of the present invention, it is possible to watch video of an AV device located at a remote place through the television receiver at hand by controlling the same AV device.

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# PATENT ABSTRACTS OF JAPAN

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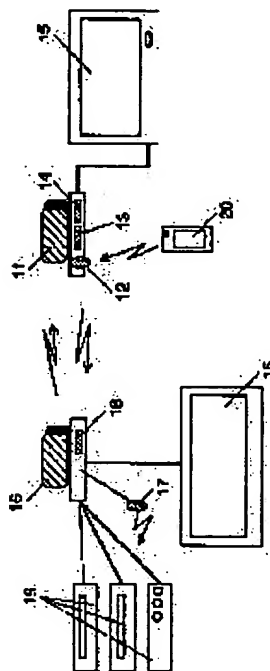
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## (54) AUDIO VIDEO DISTRIBUTOR

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide the audio video distributor that can select a desired AV device among a plurality of AV devices and display video.audio data of the selected AV device on, e.g. a television receiver to which the selected AV device is not directly connected and located at a remote place such as an adjacent room.

**SOLUTION:** An AV device selection button 13 is used to select a desired AV device 19 and a remote commander 20 instructs reproduction or the like. An audio.video transmitter 16 analyzes AV device selection information in a message sent in a form of a radio wave from an audio.video receiver 11 and selects the AV device 19 and allows an infrared ray emission section 17 to emit infrared ray data based on the message sent in a form of radio wave from the audio.video receiver 11 and controls transmission of the infrared ray data to the AV device 19. The audio.video receiver 11 receives audio.video data sent in a form of radio wave from the selected AV device 19 and displays the data on a television receiver 15.



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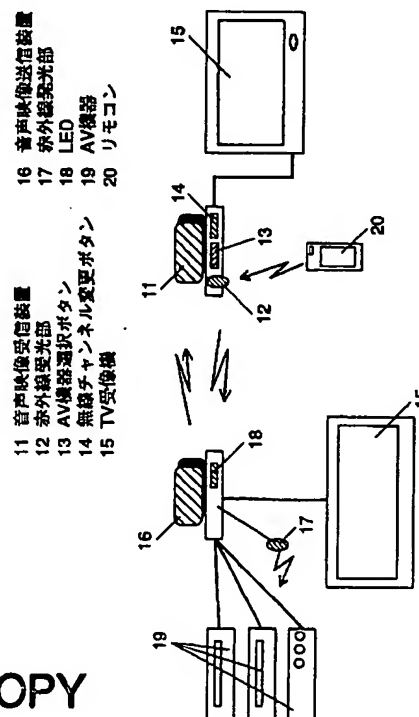
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(54) 【発明の名称】 音声映像配信装置

(57) 【要約】

【課題】 AV機器は居間などに集中的に配置され、居間のテレビに接続されており、誰かがテレビを見ていると、他の人はたとえばVTRを見てみたいと思っても、音声映像表示装置であるテレビが使用されているので、VTRを見ることができない。

【解決手段】 所望のAV機器19をAV機器選択ボタン13にて選択し、リモコン20で再生などの指示を行う。音声映像送信装置16は、音声映像受信装置11から無線で送信されてきた電文中のAV機器選択情報を解析し、AV機器19を選択する。音声映像受信装置11から無線で送信された赤外線データに基づき赤外線発光部17で発光させ、AV機器19に赤外線データを送信制御する。音声映像受信装置11は、選択されたAV機器19の音声映像が無線にて送信されてくるので、それを受信し、TV受像機15に映し出す。



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